राष्ट्रीय मौसम पूर्वानुमान केन्द्र
भारत मौसम विज्ञान विभाग
पृथ्वी विज्ञान मंत्रालय

National Weather Forecasting Centre
India Meteorological Department
Ministry of Earth Sciences

Thursday, March 6, 2025
Time of Issue: 0745 hours IST
(MORNING)

ALL INDIA WEATHER SUMMARY AND FORECAST BULLETIN

Significant Weather Features:

Weather Systems, Forecast and warning

- A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09th March, 2025. Under its influence;
  - ✓ **Isolated to Scattered** light/moderate rainfall/snowfall likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad & Himachal Pradesh during 09th – 11th and Uttarakhand on 11th March.
- A **cyclonic circulation** lies over northeast Assam & neighbourhood in lower tropospheric levels.
- **Isolated to Scattered** light/moderate rainfall accompanied with **thunderstorm, lightning & gusty winds (speed 30-40 kmph)** likely over Bihar on 08th; with **thunderstorm & lightning** over Sub-Himalayan West Bengal & Sikkim on 07th & 08th March.
- **Strong surface winds** (25-35 kmph gusting to 45 kmph) likely to prevail over the plains of northwest India including Delhi during next 24 hours.

Temperature Forecast:

Maximum temperature:

- No significant change in maximum temperatures likely over Northwest India during next 24 hours and gradual rise by 4-6°C thereafter.
- No significant change in maximum temperatures likely over Central India (except Vidarbha) during next 2 days and gradual rise by 3-4°C thereafter.
- Gradual fall in maximum temperatures by 2-3°C likely over Vidarbha during next 2 days and gradual rise by 3-5°C thereafter.
- No significant change in maximum temperatures likely over East India during next 3 days and gradual rise by about 2°C thereafter.
- Gradual rise in maximum temperatures by 2-3°C likely over Northeast India during next 2-3 days and no significant change thereafter.
- No significant change in maximum temperatures likely over Maharashtra, Telangana & North Interior Karnataka during next 2 days and gradual rise by 2-3°C thereafter.
- No significant change in maximum temperatures likely over Gujarat Region during next 24 hours and gradual rise by 3-5°C thereafter.
- No significant change in maximum temperatures likely over South India (except Telangana & North Interior Karnataka) during next 5 days.

Hot & Humid weather warnings:

- **Hot and humid weather** very likely to prevail over Kerala & Mahe on 06th March.

Main Weather Observations:

- **Rainfall/snowfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **at isolated places** over Arunachal Pradesh.

- **Rainfall distribution** (from 0830 hours IST to 1730 hours IST of yesterday): **NIL.**

- **Significant amount of rainfall** (from 0830 hours IST to 1730 hours IST of yesterday) (in cm): **NIL.**

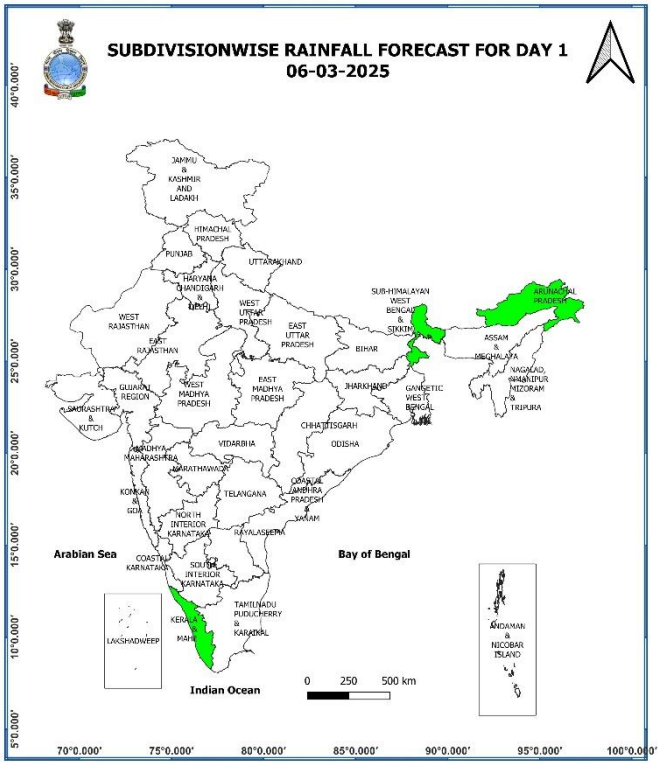
- **Minimum Temperature Departures (as on 05-03-2025):** Minimum temperatures were **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Bihar, Odisha and Madhya Maharashtra; **above normal (1.6°C to 3.0°C)** at a few places over Coastal Andhra Pradesh & Yanam; at isolated places over Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Telangana, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep. These were **markedly below normal (-5.1°C or less)** at isolated places over East Rajasthan and West Madhya Pradesh; **appreciably below normal (-3.1°C -5.0°C)** at many places over West Rajasthan; at a few places over Haryana and Saurashtra & Kutch; at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab and Himachal Pradesh; **below normal (-3.0°C to -1.6°C)** at many places over Delhi; at isolated places over West Uttar Pradesh, East Madhya Pradesh and near normal over rest parts of the country **(Fig. 4)**. Yesterday, the **lowest minimum temperature** of **4.0°C** was reported **Fathepur (Rajasthan)** over the plains of the country.

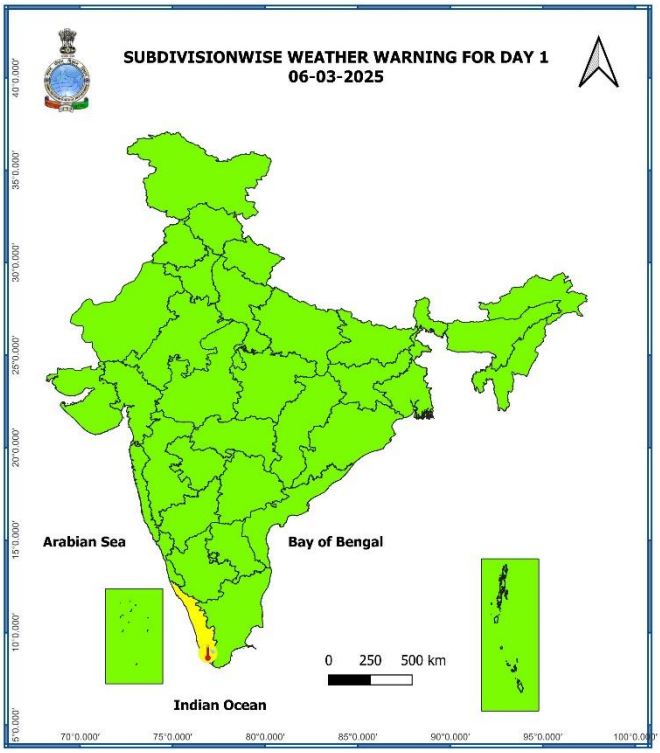
- **Maximum Temperature Departures (as on 05-03-2025**): Maximum temperatures were **markedly above normal (5.1°C or above)** at isolated places over Konkan & Goa; **appreciably above normal (3.1°C to 5.0°C)** at isolated places over Gangetic West Bengal, Coastal Andhra Pradesh & Yanam; **above normal (1.6°C to 3.0°C)** at a few places over Tamil Nadu, Puducherry & Karaikal; at isolated places over Saurashtra & Kutch, Madhya Maharashtra, Kerala & Mahe, Telangana, Odisha, Assam & Meghalaya. These were **below normal (-3.0°C to -1.6°C)** at a few places over East Uttar Pradesh, Haryana-Chandigarh-Delhi, Madhya Pradesh; at isolated places over Rajasthan, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Uttar Pradesh and near normal over rest parts of the country **(Fig. 2).** Yesterday, the highest **maximum temperature of 39.5°C** was reported at **Nandyal (Rayalaseema)** over the country.

Meteorological Analysis (Based on 0530 hours IST)

- The **cyclonic circulation** over northeast Assam & neighbourhood extending upto 1.5 km above mean sea level persists.
- A fresh **Western Disturbance** is likely to affect Western Himalayan region from 09th March, 2025.

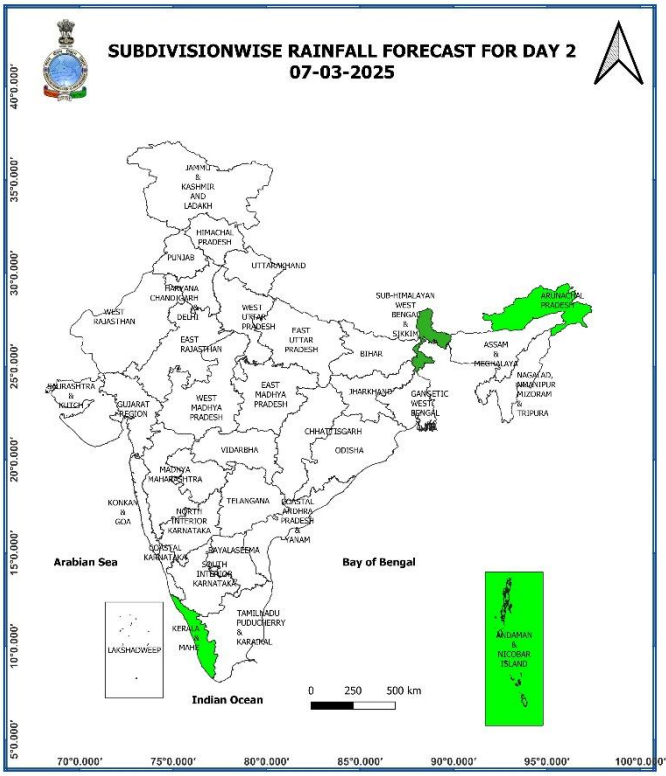
Weather Forecast & Warnings for next 7 days (Upto 0830 hours IST of 13th March, 2025)

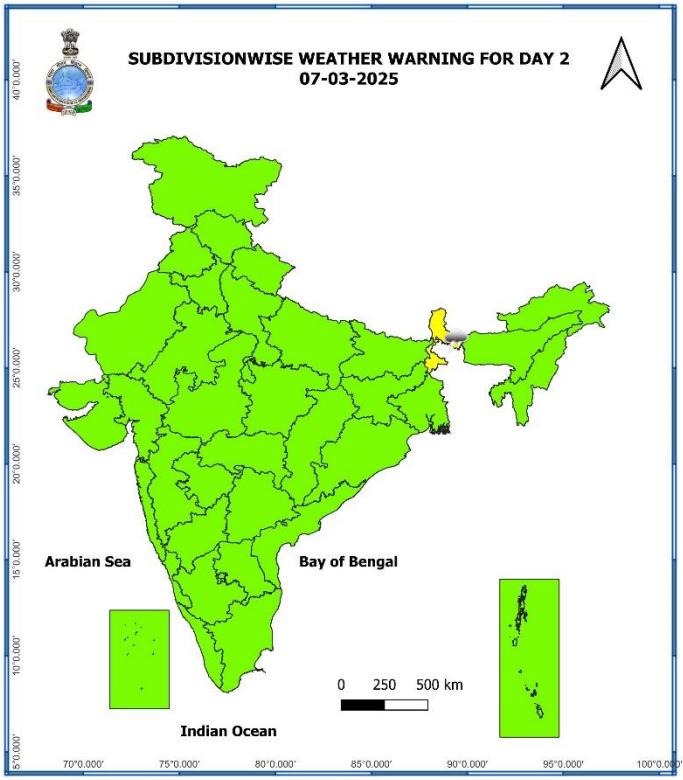




06th March (Day 1):

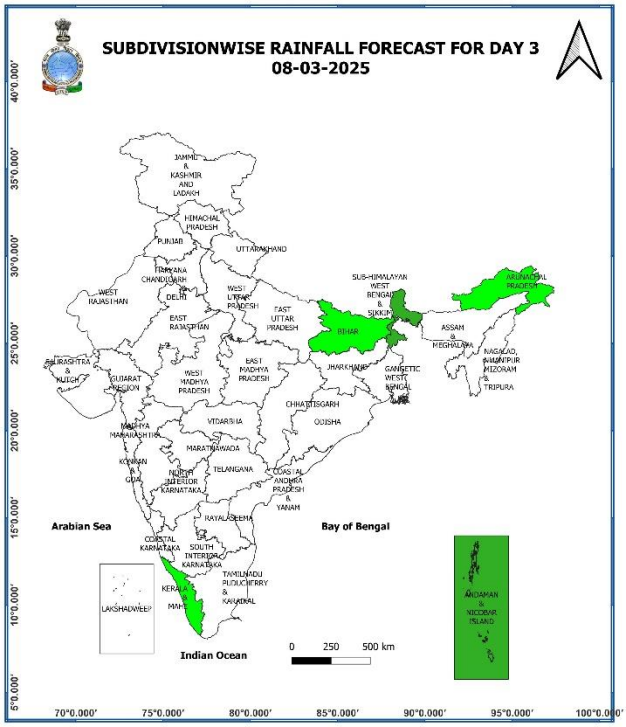
❖ **Hot and Humid condition** very likely at isolated places over Kerala & Mahe.

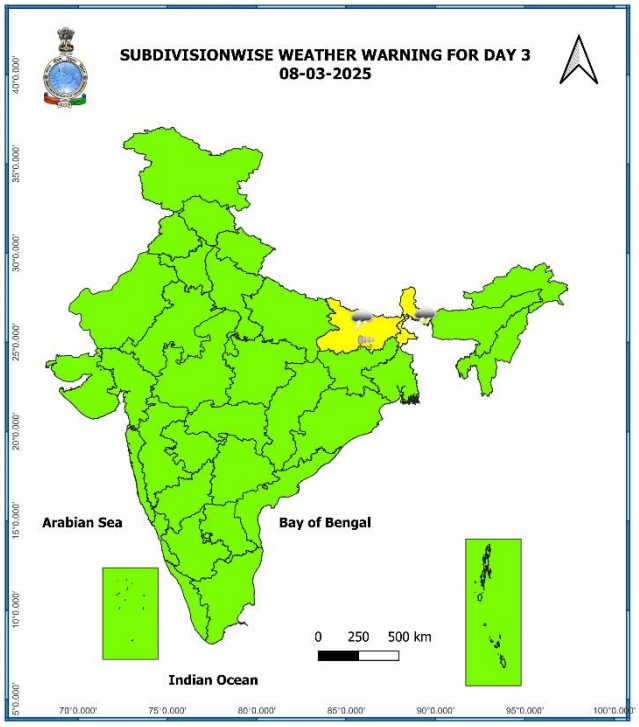




07th March (Day 2):

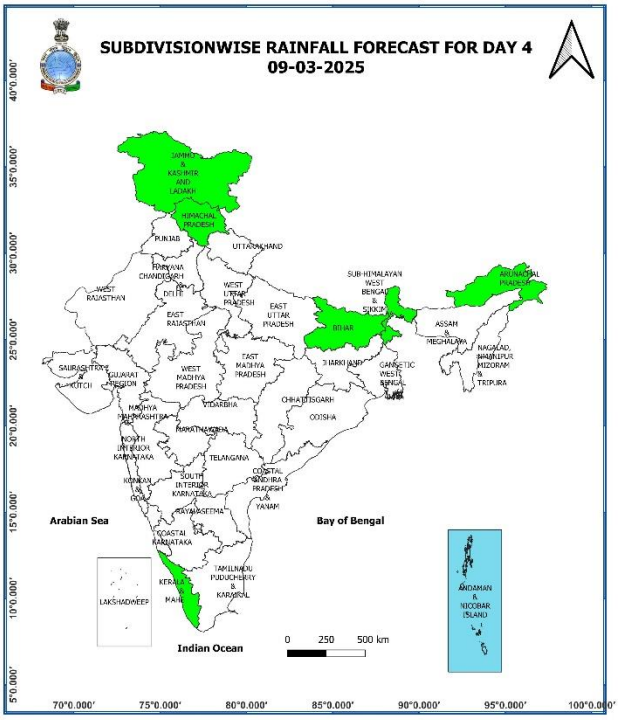
- **Thunderstorm accompanied with lightning** likely at isolated places over Sub-Himalayan West Bengal & Sikkim.

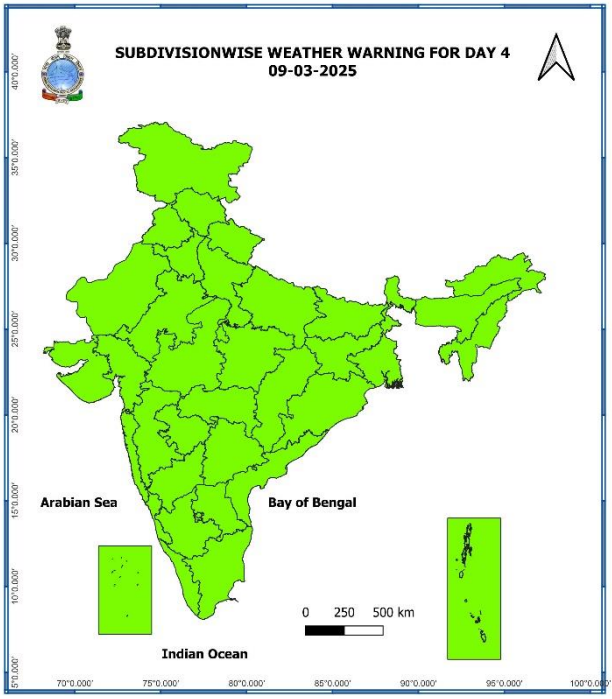




08th March (Day 3):

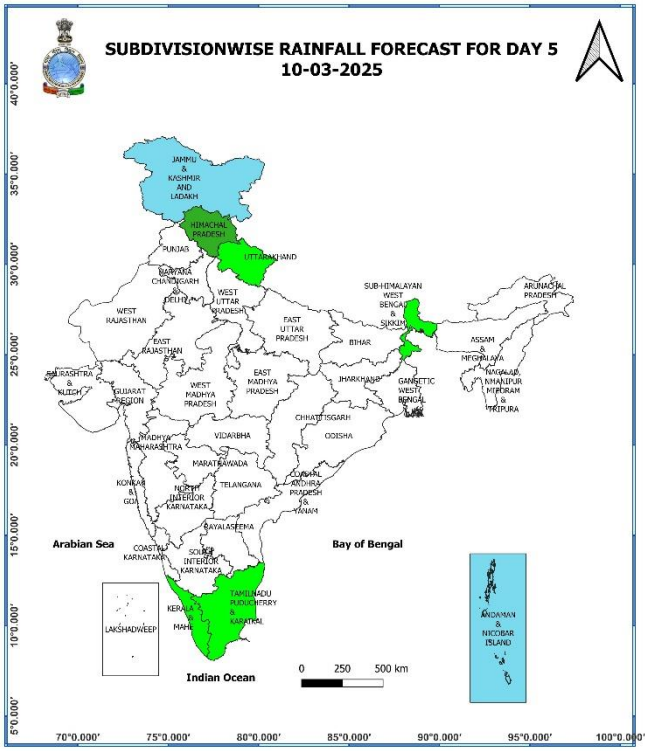
- **Thunderstorm accompanied with gusty wind (30-40 kmph) & lightning** likely at isolated places over Bihar; with lightning at isolated places over Sub-Himalayan West Bengal & Sikkim.

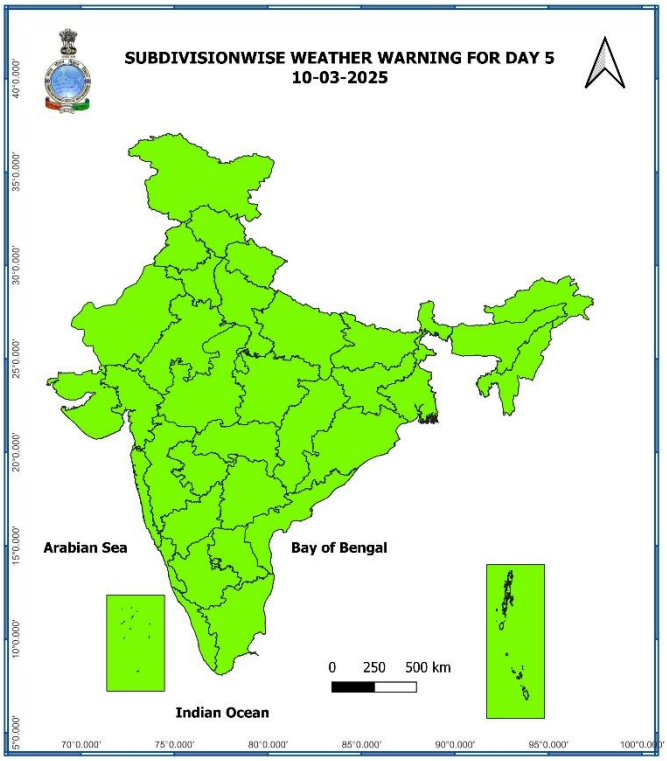




09th March (Day 4):

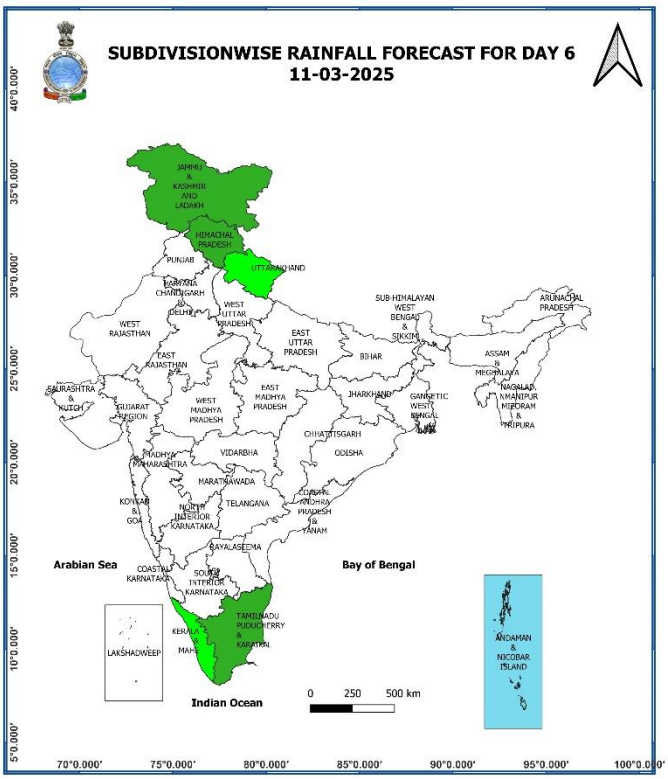
- **No Weather Warning.**

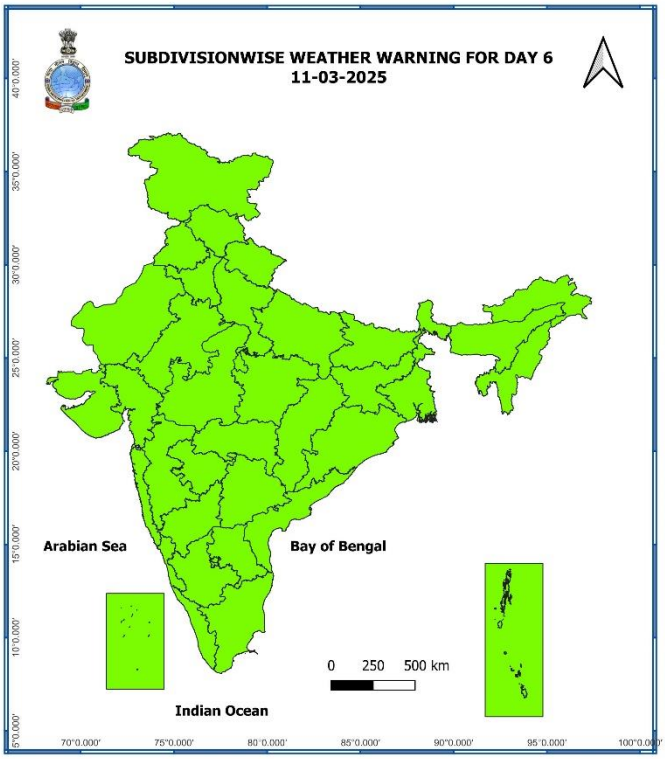




10th March (Day 5):

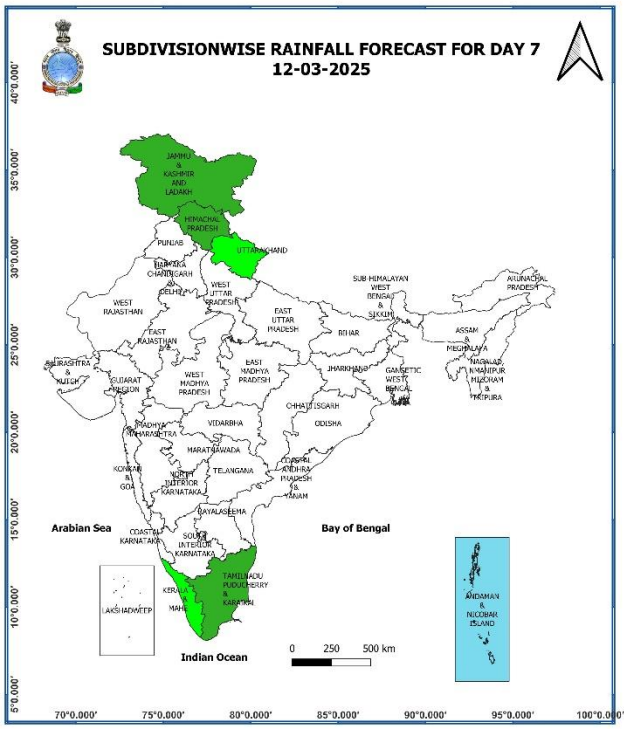
- **No Weather Warning.**

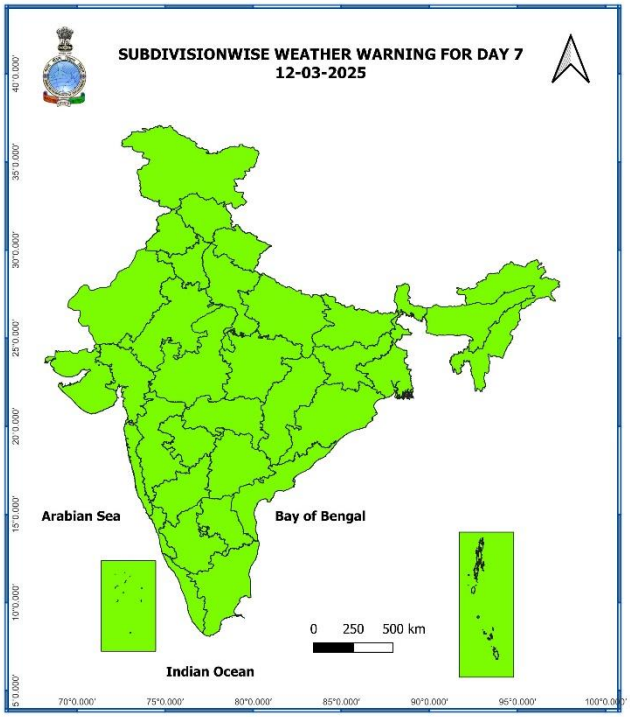




11th March (Day 6):

- **No Weather Warning.**





12th March (Day 7):

- **No Weather Warning.**

Weather Outlook for subsequent 3 days (During 13th March- 15th March, 2025)

- **Scattered to fairly widespread rainfall/snowfall** likely over Western Himalayan region.
- **Isolated to scattered rainfall** likely over Arunachal Pradesh, Northeast Assam, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Andaman & Nicobar Islands.

Action may be taken based on ORANGE AND RED COLOUR warnings.

- **Vulnerable regions likely urban and hilly areas action may be initiated for heavy rainfall warning.**
- **As the lead period increases forecast accuracy decreases.**

Fig. 1: Maximum Temperatures

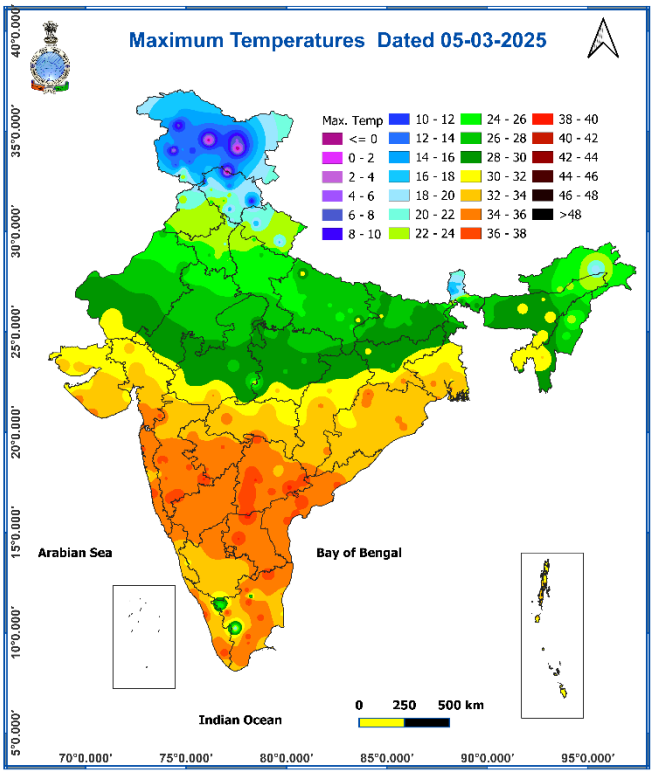


Fig. 2: Departure of Maximum Temperatures

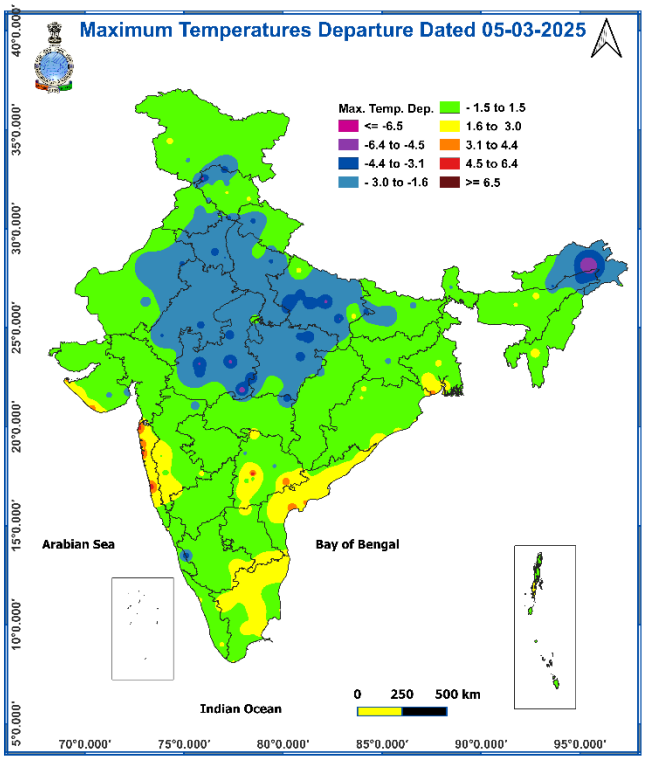


Fig. 3: Minimum Temperatures

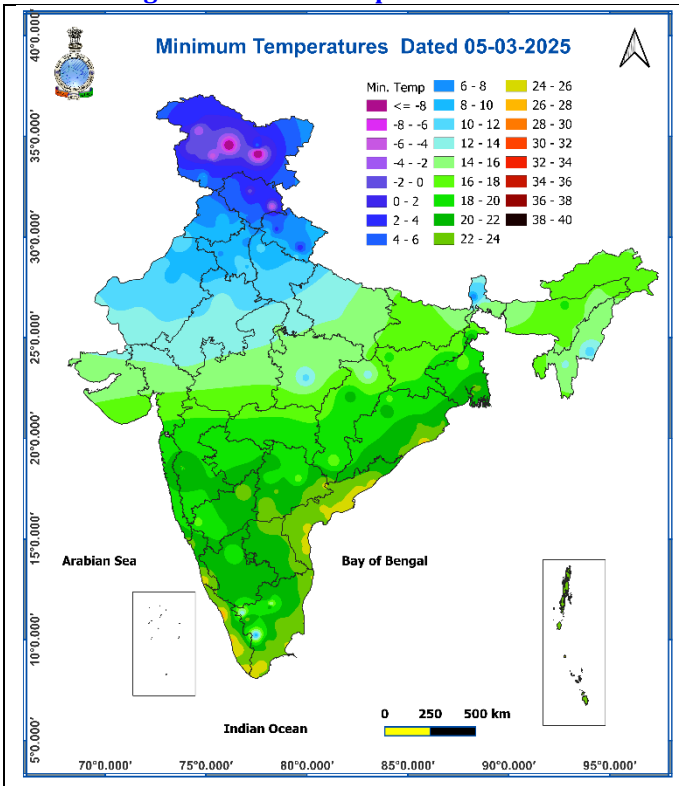


Fig. 4: Departure of Minimum Temperatures

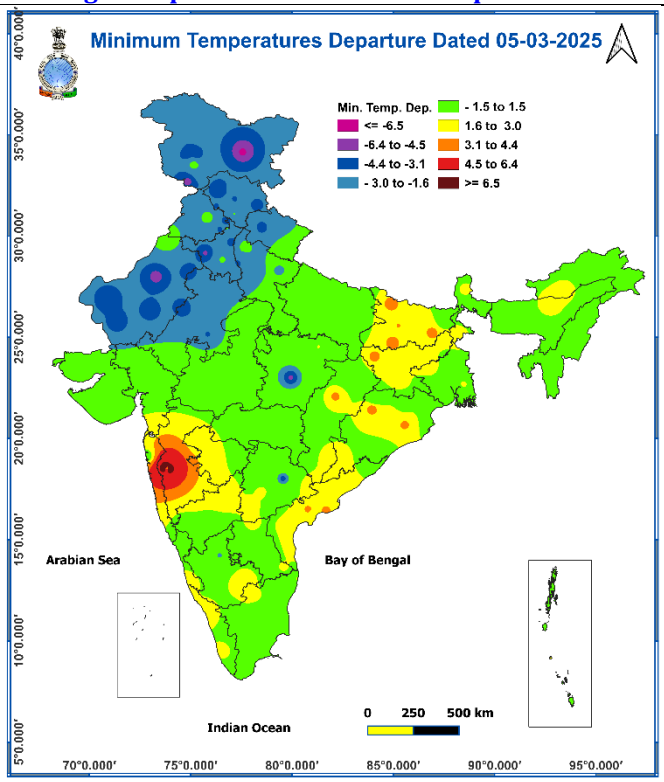


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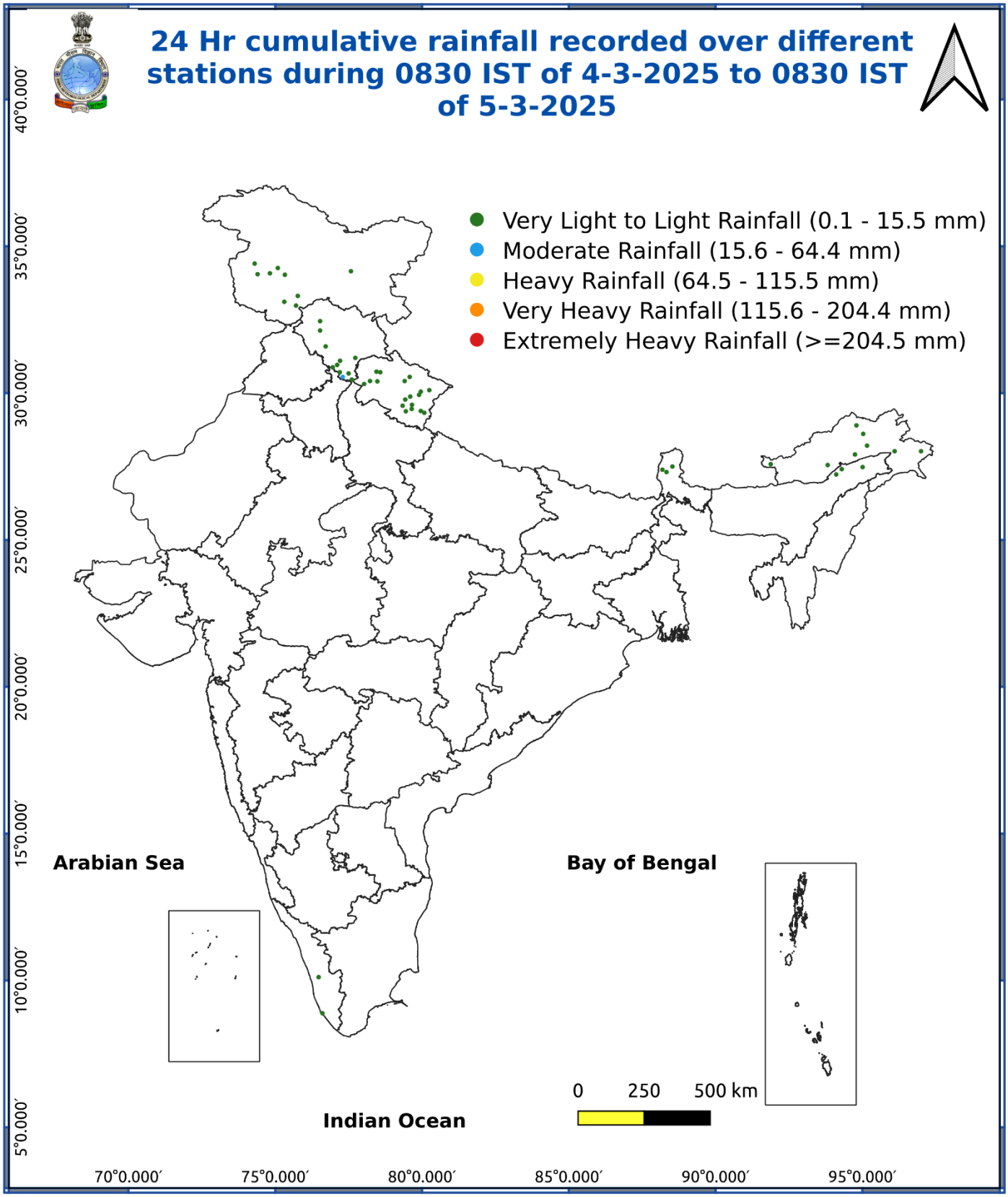
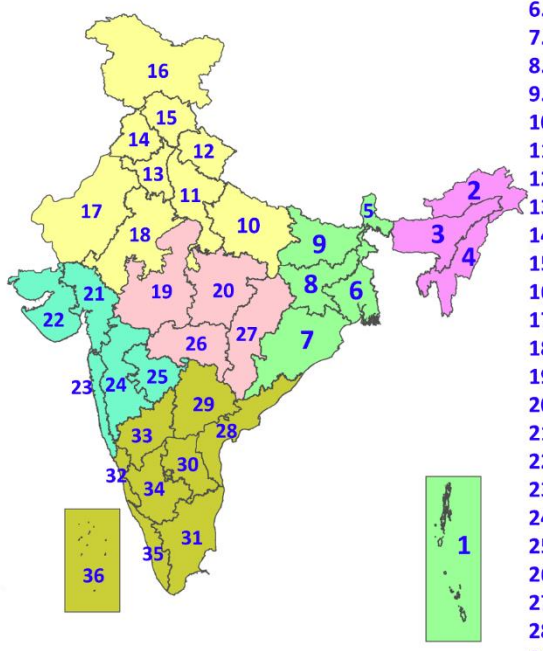
Fig. 5: Accumulated Rainfall (mm) during past 24 hours



LEGENDS

1. अंडमान और निकोबार द्वीपसमूह
2. अरुणाचल प्रदेश
3. असम और मेघालय
4. नागालैंड, मणिपुर, मिजोरम और त्रिपुरा
5. उप-हिमालयी पश्चिम बंगाल और सिक्किम
6. गंगीय पश्चिम बंगाल
7. ओडिशा
8. झारखंड
9. बिहार
10. पूर्वी उत्तर प्रदेश
11. पश्चिम उत्तर प्रदेश
12. उत्तराखंड
13. हरियाणा, चंडीगढ़ और दिल्ली
14. पंजाब
15. हिमाचल प्रदेश
16. जम्मू और कश्मीर और लद्दाख
17. पश्चिम राजस्थान
18. पूर्वी राजस्थान
19. पश्चिम मध्य प्रदेश
20. पूर्वी मध्य प्रदेश
21. गुजरात
22. सौराष्ट्र
23. कोंकण और गोवा
24. मध्य महाराष्ट्र
25. मराठवाड़ा
26. विदर्भ
27. छत्तीसगढ़
28. तटीय आंध्र प्रदेश और यनम
29. तेलंगाना
30. रायलसीमा
31. तमिलनाडु, पुडुचेरी और कराईकल
32. तटीय कर्नाटक
33. आंतरिक उत्तरी कर्नाटक
34. आंतरिक दक्षिणी कर्नाटक
35. केरल और माहे
36. लक्षद्वीप



1. Andaman & Nicobar Islands
2. Arunachal Pradesh
3. Assam & Meghalaya
4. Nagaland, Manipur, Mizoram & Tripura
5. Sub-Himalayan West Bengal & Sikkim
6. Gangetic West Bengal
7. Odisha
8. Jharkhand
9. Bihar
10. East Uttar Pradesh
11. West Uttar Pradesh
12. Uttarakhand
13. Haryana, Chandigarh & Delhi
14. Punjab
15. Himachal Pradesh
16. Jammu & Kashmir and Ladakh
17. West Rajasthan
18. East Rajasthan
19. West Madhya Pradesh
20. East Madhya Pradesh
21. Gujarat
22. Saurashtra
23. Konkan & Goa
24. Madhya Maharashtra
25. Marathwada
26. Vidarbha
27. Chhattisgarh
28. Coastal Andhra Pradesh & Yanam
29. Telangana
30. Rayalaseema
31. Tamilnadu, Puducherry & Karaikal
32. Coastal Karnataka
33. North Interior Karnataka
34. South Interior Karnataka
35. Kerala & Mahe
36. Lakshadweep

SPATIAL DISTRIBUTION (% of Stations reporting)

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/A Few Places)
51-75	Fairly Widespread (FWS/Many Places)	1-25	Isolated (ISOL)

Fog
Heavy Rain
Very Heavy Rain
Extremely Heavy Rain
Thunder & Lightning
Hailstorm
Dust Raising Winds
Heavy Snow
Dust Storm
Heat Wave
Warm Night
Hot Day
Hot & Humid
Strong Surface Winds
Cold Wave
Cold Day
Ground Frost

COLOUR CODED WARNING

- No Warning (No Action)
- Watch (Be Aware)
- Alert (Be Prepared To Take Action)
- Warning (Take Action)

Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75

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DEFINITION/CRITERIA

Rain/ Snow *	**Heavy:** 64.5 to 115.5 mm/cm * **Very Heavy:** 115.6 to 204.4 mm/cm* **Extremely Heavy:** > 204.4 mm/cm *
Heat Wave	**When maximum temperature of a station reaches ≥40° C for plains and ≥30° C for hilly regions** **(a) Based on Departure from normal** **Heat Wave:** Maximum Temperature Departure from normal 4.5° C to 6.4° C. **Severe Heat Wave:** Maximum Temperature Departure from normal ≥6.5° C **(b). Based on Actual maximum temperature** **Heat Wave:** When actual maximum temperature ≥45°C. **Severe Heat Wave:** When actual maximum temperature ≥47°C **(c). Criteria for heat wave for coastal stations** When maximum temperature departure is >4.5°C from normal. Heat Wave may be described provided maximum temperature ≥37°C
Warm Night	**When maximum temperature remains 40°C** **Warm Night:** When minimum temperature departure 4.5 °C to 6.4 °C. **Severe Warm Night:** When minimum temperature departure >6.4 °C.
Cold Wave	**When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions.** **(a). Based on departure** **Cold Wave:** Minimum Temperature Departure from normal -4.5 °C to -6.4 °C. **Severe Cold Wave:** Minimum Temperature Departure from normal ≤ -6.5 °C **(b) Based on actual Minimum Temperature (for Plains only)** **Cold Wave :** When Minimum Temperature is ≤ 4.0 °C **Severe Cold Wave:** When Minimum Temperature is ≤ 2.0 °C **(c) For Coastal Stations** When Minimum Temperature departure is ≤-4.5 °C & actual Minimum Temperature is ≤ 15 °C
Cold Day	**When minimum temperature of a station ≤10°C for plains and ≤0°C for hilly regions** **Based on departure** **Cold Day:** Maximum Temperature Departure from normal -4.5 °C to -6.4 °C. **Severe Cold Day:** Maximum Temperature Departure from normal ≤ -6.5 °C
Fog	**Phenomenon of small droplets suspended in air and the horizontal visibility < 1km** **Moderate Fog:** When the visibility between 500-200 metres **Dense Fog:** when the visibility between 50- 200 metres **Very Dense Fog:** when the visibility < 50 metres
Thunderstorm	**Sudden electrical discharges manifested by a flash of light (Lightning) and a sharp rumbling sound (thunder)**
Dust/Sand Storm	**An ensemble of particles of dust or sand energetically lifted to great heights by a strong and turbulent wind.**
Frost	**Ice deposits on ground** Air temperature ≤4°C (over Plains)
Squall	**A strong wind that rises suddenly, lasts for atleast 1 minute.** **Moderate**: Wind speed 52-61 kmph **Severe**: Wind speed 62-87 kmph **Very Severe**: Wind speed >87 kmph
Sea State	**Effect of various waves in the sea over specific area** **Rough to very rough**: Wind speed 41-62 kmph (22-33 knots) & Wave height 2.5-6 metre **High to very high**: Wind speed 63-117 kmph (34-63 knots) & Wave height 6-14 metre **Phenomenal**: Wind speed >117 kmph (>63 knots) & Wave height >14 metre
Cyclone	**Cyclonic Storm**: Wind speed 62-87 kmph (34-47 knots) **Severe Cyclonic Storm**: Wind speed 88-117 kmph (48-63 knots) **Very Severe Cyclonic Storm**: Wind speed 118-165 kmph (64 - 89 knots) **Extremely Severe Cyclonic Storm**: Wind speed 166-220 kmph (90 -119 knots) **Super Cyclone Strom**: Wind speed >220 kmph (>119 knots)

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